(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 3 June 2004 (03.06.2004)

(10) International Publication Number WO 2004/045508 A3

- (51) International Patent Classification⁷: A61K 31/41, 31/425, 31/42
- (21) International Application Number:

PCT/US2003/035718

(22) International Filing Date:

10 November 2003 (10.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/426,529

15 November 2002 (15.11.2002)

- (71) Applicant (for all designated States except US): MERCK & CO., INC. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SCOLNICK, Edward, M. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).
- (74) Common Representative: MERCK & CO., INC.; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of
- (88) Date of publication of the international search report: 24 March 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(57) Abstract: The use of a PDE4 inhibitor in conjunction with psychotherapy provides enhanced therapeutic results in the treatment of psychiatric disorders including, for example, specific phobias, panic disorders, anxiety disorders including posttraumatic stress disorders, and obsessive-compulsive disorder.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/35718

<u> </u>	•	PC1/0303/33/16	·	
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 31/41, 31/425, 31/42		•		
US CL : 514/365, 378, 362, 363, 385				
According to International Patent Classification (IPC) or to both n	national classification ar	nd IPC		
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed U.S.: 514/365, 378, 362, 363, 385	by classification symb	ols)		
Documentation searched other than minimum documentation to th	ne extent that such docu	ments are included	in the fields searched	
		•		
Electronic data base consulted during the international search (nar STN, EAST, Registry, Medline	me of data base and, wi	nere practicable, sea	rch terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT		· · · · · · · · · · · · · · · · · · ·		
Category * Citation of document, with indication, where	appropriate, of the rele	evant passages	Relevant to claim No.	
Y US 6,410,63 (Deschenes et al.) 25 June 2002, the				
	1-11			
Y US 2001/0049368 (REINES et al.) 6 December 20	US 2001/0049368 (REINES et al.) 6 December 2001, See the Abstract, whole document			
			1	
			• \	
		•	ļ . l	
· ·			l i	
			<u> </u>	
			1	
}			1 1	
		•		
			1	
			1	
			1 1	
Further documents are listed in the continuation of Box C.	See paten	t family annex.		
Special categories of cited documents:	"T" later docum	nent published after the in	ternational filing date or priority	
"A" document defining the general state of the art which is not considered to be	date and no	ot in conflict with the appl r theory underlying the in	ication but cited to understand the	
of particular relevance	• •	• • •		
"E" earlier application or patent published on or after the international filing date	e considered	novel or cannot be consid	e claimed invention cannot be lered to involve an inventive step	
"L" document which may throw doubts on priority claim(s) or which is cited to	when the d	ocument is taken alone	i	
establish the publication date of another citation or other special reason (as			e claimed invention cannot be	
specified)			ep when the document is ch documents, such combination	
"O" document referring to an oral disclosure, use, exhibition or other means		ous to a person skilled in		
"P" document published prior to the international filing date but later than the	"&" document r	nember of the same pater	it family	
priority date claimed	- committee		······································	
Date of the actual completion of the international search	Date of mailing of	the international sea	rch report	
•	10°F	B 2005		
14 May 2004 (14.05.2004)	<u> </u>			
Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US	Authorized officer	Authorized officer		
Commissioner for Patents	Sreeni Padmanabl	Sreeni Padmanabhan PhD.		
P.O. Box 1450	l	() (ser just	
Alexandria, Virginia 22313-1450	Telephone No. (57	1) 272-0976	A.J.	
Facsimile No. (703) 305-3230	I	V	1007	

Form PCT/ISA/210 (second sheet) (July 1998)